

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **CLAUDIO SANTIAGO RIBEIRO, EVANSTON, IL; IULIUS LUCACI, EVANSTON, IL; and, PAUL M. PIERCE, GRAYSLAKE, IL;** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **USER INTERFACE** (Docket No. **CS23471RL**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **MOTOROLA, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **MOTOROLA, INC.**, for the sole use and benefit of **MOTOROLA, INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **MOTOROLA, INC.**

We agree that, when requested, we will, without charge to **MOTOROLA, INC.**, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in **MOTOROLA, INC.**, its successors, assigns and legal representatives or nominees.

We covenant with **MOTOROLA, INC.**, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

CLAUDIO SANTIAGO RIBEIRO

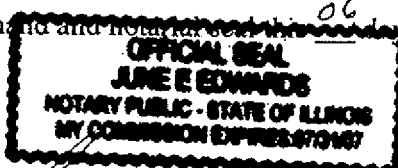
DATE: 06/11/03

STATE OF IL)
)ss
COUNTY OF LAKE)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Claudio Santiago Ribeiro whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 06 day of November, 2003.

My commission expires:



June E. Edwards
Notary Public Signature

JUNE E. EDWARDS
Printed Name of Notary Public

IULIUS LUCACI

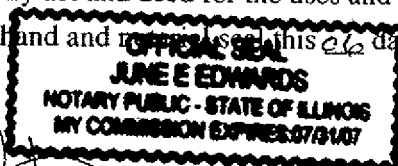
DATE: 11/06/2003

STATE OF IL)
)ss
COUNTY OF LAKE)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Iulius Lucaci whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 06 day of November, 2003.

My commission expires:



June E. Edwards
Notary Public Signature

JUNE E. EDWARDS
Printed Name of Notary Public

PAUL M. PIERCE

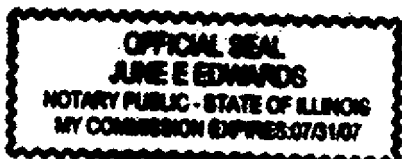
DATE: 12.04.03

STATE OF IL)
)ss
COUNTY OF LAKE)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Paul M. Pierce whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 4 day of December, 2003.

My commission expires:



June E. Edwards
Notary Public Signature

JUNE E. EDWARDS
Printed Name of Notary Public



Motorola - My Motorola



Home Innovation Disclosure Publication Clearance Indi-Trac
Welcome June Edwards - Sep 16, 2003

Innovation Disclosure

Disclosure CS23471RL (20703)

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CS20709RA (12792)

ID:

Title:

CS23471RL (20703)
Muti Feature Dial Ring

User Interface

Innovators: Claudio Ribeiro Santiago Ribeiro, Iulius Lucaci, Paul Pierce
Status: Awaiting Filing
Disposition: Pursue
Submitted Date:
Review Date:
Sector: PCS
Patent Committee: PCS Libertyville
Business Unit: Consumer Experience, Planning & Software
Organization: PCS, CXPS, CON EXP DSN, ,
Department: BB560
Submit Country: USA

View Changes Log

Administration

Print Disclosure

WORKFLOW

First Innovator	<u>Claudio Santiago Ribeiro (Claudio Ribeiro)</u>	<u>Verification Complete 07/10/2003</u>
Co-Innovator	<u>Iulius Lucaci</u>	<u>Verification Complete 07/15/2003</u>
Co-Innovator	<u>Paul M Pierce</u>	<u>Verification Complete 07/11/2003</u>
Witness	<u>Stephan P Pfanner (Peter)</u>	<u>Acknowledgement Complete 07/11/2</u>
Witness	<u>Joel Soto</u>	<u>Acknowledgement Complete 07/14/2</u>
Manager	<u>Yoon ho Choi</u>	<u>Acknowledgement Complete 08/11/2</u>
Business Reviewer	<u>Bill Maes</u>	<u>Review Needed</u>
Technical Reviewer	<u>Karsten Aagaard</u>	<u>Review Needed</u>

REVIEW INFORMATION

Business Reviewer
Technical Reviewer
Grading Results

Bill Maes
Karsten Aagaard

DOCUMENTS

TTX multi feature dial patent final.ppt

Multi feature dia

QUESTIONS

Name of Innovation or Engineering Development?

Muti Feature Dial Ring

What is the problem(s) to be resolved by or need(s) for your idea?

As the radio devices evolve to new paradigms there's a need to create a way to control a radio device. With this multi-purpose ring that allows for that.

This is a new way to approach the keypad design and allows for simplifying the use of radio/phone as these devices start to have more functions than to make a call.

What patents or publications describe your idea and why don't they resolve the need(s)?

The I-pod design from Apple: That design is only valid for scrolling or selecting (no type of navigation). It does not revolve around the bellkeypad area of the product multiple uses together with the bellkeypad.

[http://store.apple.com/1-800-MY-](http://store.apple.com/1-800-MY-APPLE/WebObjects/AppleStore.woa/71302/wo/OUzZkqRkVw7H3USGEXK2dLFR)

[APPLE/WebObjects/AppleStore.woa/71302/wo/OUzZkqRkVw7H3USGEXK2dLFR](http://store.apple.com/1-800-MY-APPLE/WebObjects/AppleStore.woa/71302/wo/OUzZkqRkVw7H3USGEXK2dLFR)

What is the idea you are disclosing?

The idea is to create and evolve the functionality of the bellkeypad area and adding a ring that can control various functions of the product.

The dial can be digital/touch or physical/mechanical

How does this idea resolve the problem(s) or fulfill the need(s) in a new way?

The Multi-feature dial can be used to control various functionalities:

Digital music mixer: With MP-3's the user can mix music in their device create the tunes...

Sound/volume adjustment: way to control audio volume for the product

Camera Zoom: Controlling the zoom feature

Scrolling: up and down navigation

Gaming: gaming controls

Radio Tuning

Equalizer adjustment

There are other possibilities for the navigation/use of this product, but the basic idea create various possibilities to be explored further.

How or where will this idea be used (e.g. what process or product will it be applied to)?

This idea was conceptualized in the process of creating the TTX design concepts for

Right now was only used in concepts but as the business evolves there will be new

like the Nokia game, that has a different keypad/functionality that goes beyond a keypad

This concept is a new way of evolving the functionality of the keypad and allowing

Do you plan to disclose your idea outside of Motorola (e.g. conference, public product offering, etc.)?

NO

Is your idea known or has it been disclosed outside of Motorola without a duty of disclosure agreement, joint development agreement, etc.)?

NO

Has a product incorporating your idea been sold, offered for sale, placed in public display, sampled, described in any publication (including Motorola promotional literature), or placed into inventory by anyone outside of Motorola (customer or distributor), or placed into inventory by anyone outside of Motorola (customer or distributor), or placed into inventory by anyone outside of Motorola (customer or distributor)?

NO

What is the earliest verifiable date that you communicated your idea to an independent third party (e.g., the date a non-innovator witness signed your engineering notebook)?

Was your idea created or developed through work performed with a consortium, contract, university, or joint venture?

NO

Please specify the Export Control Classification Number(s) (ECCN) to which it applies.
Unknown

KEY TECHNOLOGIES

INNOVATORS

Claudio Santiago Ribeiro (Claudio Ribeiro)

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Iulius Lucaci

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Paul M Pierce

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Unknown:		Citizenship:	USA
Residential Address:		Mailing Address:	

ver 2

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